

REMARKS

Claims 1-4 and 9-11 have been cancelled. Claims 5, 7 and 12 have been rewritten in independent form. Of the previous rejections, only the rejection of claims 7 and 8 remains at issue as the cancellation of claims and re-writing of claims into independent form renders the remaining rejections and objections moot. Applicants again respectfully request reconsideration of the rejection of claims 7 and 8.

Claims 7 and 8 stand rejected under §103 in view of Gamal and "the admitted prior art". The rejection is respectfully traversed.

In the final office action, the examiner states that the teachings of the specification are not being used to support the theory of rejection. It is stated that "the examiner relies only on what applicants considered as well known in the art as evidence and not applicants' own disclosure." The genesis of the rejection should be carefully reconsidered. Such reconsideration invites understanding of the nature of the lack of evidentiary support for the rejection.

Recall that the rejection started as a §112 issue, with the examiner indicating that there was not support for the claims. The specification was pointed to as providing support. Namely, applicants explained that the specification provided an example of a fast update to a power of three. Applicants also explained that, only with such teaching, would artisans appreciate the invention of claim 7. In other words, the teaching in the specification enabled understanding of the fast update to the power of 2 in the claims.

All specifications are read with the ordinary understanding of an artisan. The present specification provided both the idea and a detailed explanation for the fast update that is referenced in claim 7. With the idea given and presented in the claims *combined* with the teaching in the specification of how to conduct a more complex example (fast update to power of 3), the application teaches artisans how to make and use the invention of claim 7. Artisans have an understanding of RLS algorithms and matrix inversion lemmas. Armed with this understanding, and with the present application before them, they can make and use the invention of claim 7. Take away the application, and there is only an understanding of

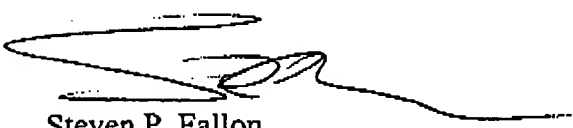
mathematical operations. There is no teaching of a fast update of any form, and no evidence to support the rejection of either of claims 7 or 8.

For all of the above reasons, applicants request reconsideration and allowance of the present application. Should the examiner believe that a telephone conference would resolve any outstanding issues, the examiner is invited to contact the undersigned attorney at the below-listed number.

Respectfully submitted,

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